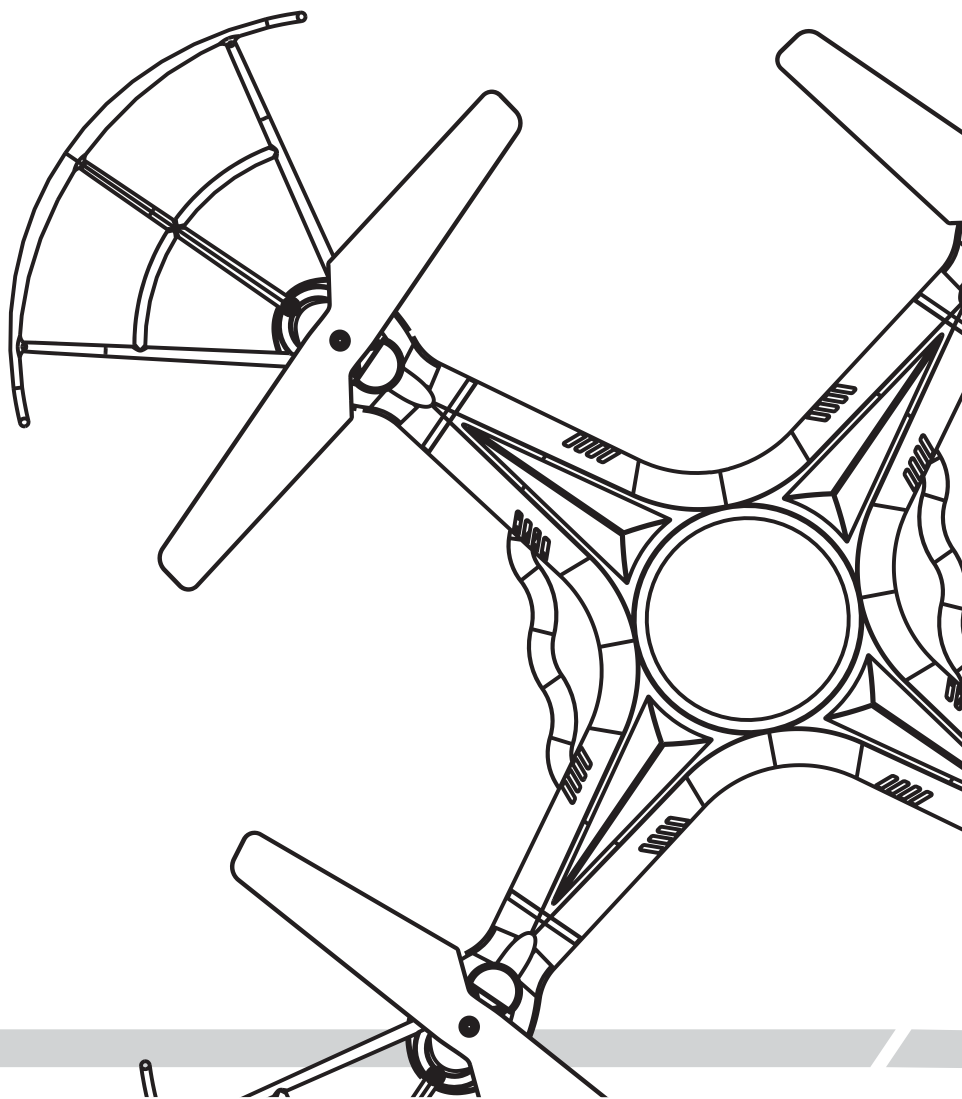
















QUADRONE

VISION




Instruction Manual



Accessories List

| | | | |
|---|---|---|---|
| Upper Cover of Casing | Lower Cover of Casing | Circuit Board | Landing Feet |
|  |  |  |  |
| Carbon Fiber Spindle | Lithium Battery | Propellers | Bearing |
|  |  |  |  |
| Red and Blue Line Motor | Black and White Reverse Motor | Green Light | Red Light |
|  |  |  |  |
| Tail Light Panel | Bearing | | |
|  |  | | |

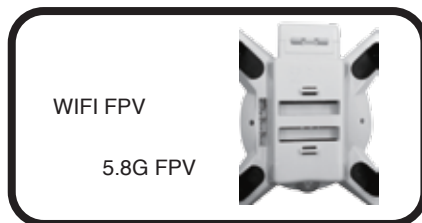
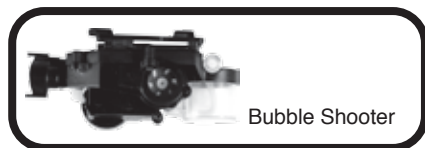
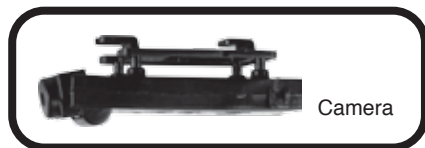
Standard Accessories

| | | |
|---|--|--|
|  <p>Charger x1</p> |  <p>3.7V 730 mAh Li-po Battery x1</p> |  <p>Propellers x4</p> |
|---|--|--|

Packing List

| No | Part Name | Quantity |
|----|--------------------|----------|
| 1 | Instruction Manual | 1 |
| 2 | Quadcopter | 1 |
| 3 | Charger | 1 |
| 4 | Li-po Battery | 1 |
| 5 | Propellers | 4 |
| 6 | Remote Control | 1 |

Upgradeable Accessories (Optional)



Notice

- All instructions, warranties and other collateral documents are subject to change at the sole discretion of our company.

Warnings

• Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property or cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense, and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or property. This product is not intended for use by children without direct adult supervision. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in this manual, prior to assembly, set up or use, in order to operate correctly and avoid damage or serious injury.

Additional Warnings and Precautions

1. Age Recommendation: Not for children under 14 years of age. This is not a toy.
2. Always operate in open spaces away from obstacles, people, and hazards.
3. Always follow directions and warnings for this and any optional equipment carefully. (chargers, rechargeable battery packs, etc)
4. Always keep small parts and electrical parts out of the reach of children.
5. Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture can cause damage to electronics.
6. Never place any portion of the model in your mouth as it could cause serious injury or even death.
7. Never operate your model with low transmitter batteries.

Introduction

• Thank you for choosing Quadrone! This is a four-axis aircraft that can fly outdoors, in order to make it easier to control the aircraft. Please carefully read this manual before operating your Quadrone. Please keep this manual for future reference.

• Before your first flight, please take the time to carefully read this manual containing important flight information which will help your first flight go more smoothly.

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Battery Usage and Warnings



The battery charger included with your Quadrone has been designed to safely charge your Li-po battery.

CAUTION: All instructions and warnings must be followed exactly.

Mishandling of Li-po batteries can result in fire, personal injury, and/or property damage.

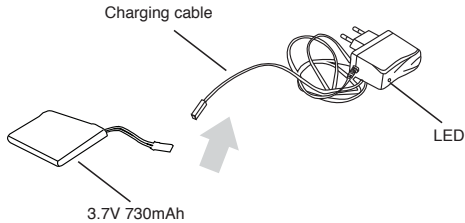
1. By handling, charging, or using the included Li-po battery you assume all risks associated with lithium batteries.
2. If at any time the battery begins to balloon or swell, discontinue use immediately. If charging, discontinue and disconnect. Continued use or charging of a ballooning or swelling battery can result in fire.
3. Always store battery in dry, room temperature area.
4. Always transport or temporarily store the battery in a temperature range of 40-120 degrees F. Do not store battery or model in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire.
5. Never use a Ni-CD or Ni-MH charger. Failure to charge the battery with a compatible charger may cause fire resulting in personal injury and/or property damage.
6. Never exceed the recommended charge rate.
7. Never cover warning labels with hook and loop strips.

WARNING: Only use the charger supplied with your Quadrone. Do not use 12V power supply or property damage and injury can occur.

Notice: When a Li-po battery is discharged below 3.7V, the battery may be damaged and may no longer accept a charge. Please land the quadcopter immediately and recharge the battery.

Charging the Battery

Only use charger provided. Attach Li-po battery to charging line of charger. Plug charger into power outlet. LED light should light up to indicate it is charging.



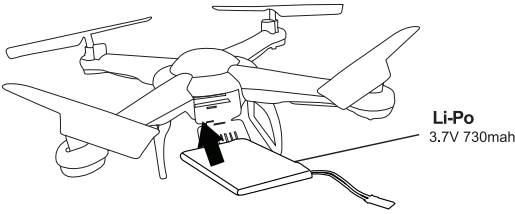
First Flight Preparation

1. Make sure the battery is fully charged.
2. When turning on the remotes power switch, make sure the throttle stick is at the bottom in its lowest position.
3. Make sure to fly in an open area away from crowds, cars, trees, and other obstacles to avoid damage to your quadcopter.

Syncing the Quad and the Remote

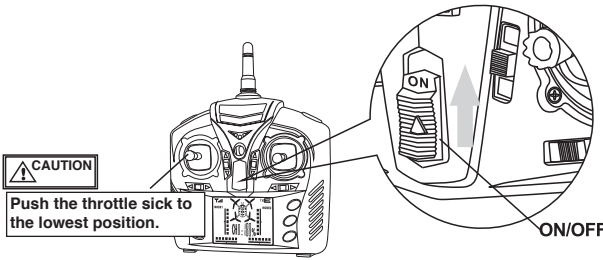
Step 1

Place the quadcopter on a flat surface and place the Li-po battery into the quadcopter. Plug the battery into the quad and the LED lights will begin to flash.



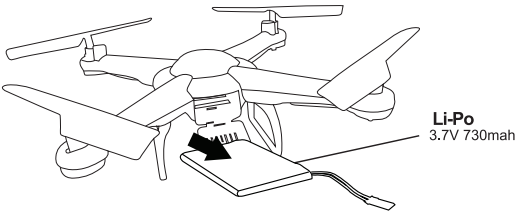
Step 2

Turn the remote controller on. Push the throttle stick to its lowest position. The quad will beep and the lights will stop flashing. Your quad and remote are now synced together.



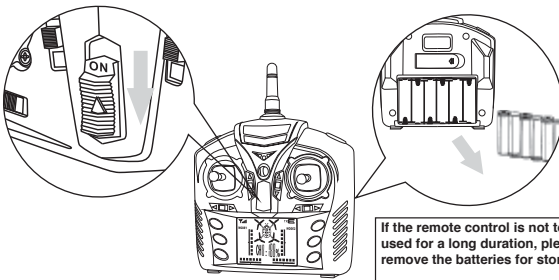
Step 3

After your flight, remove the battery from the quadcopter. Do this to avoid power leakage and overall damage to your quad and battery.

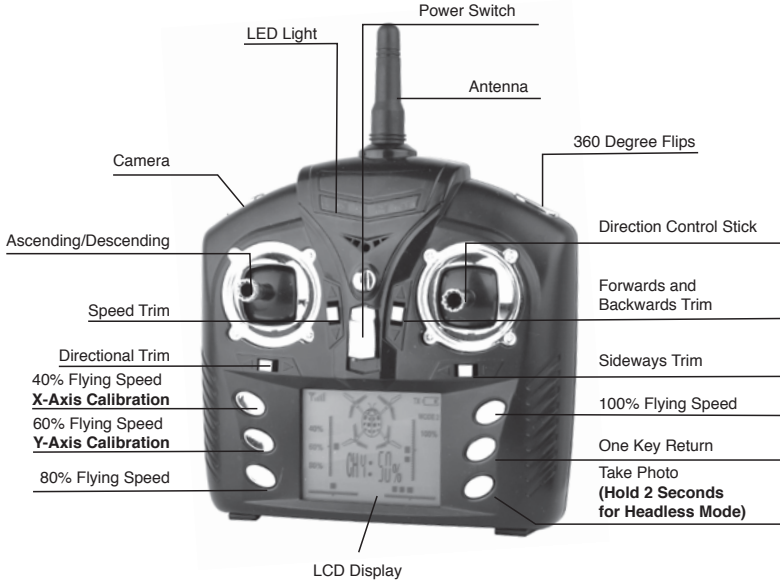


Step 4

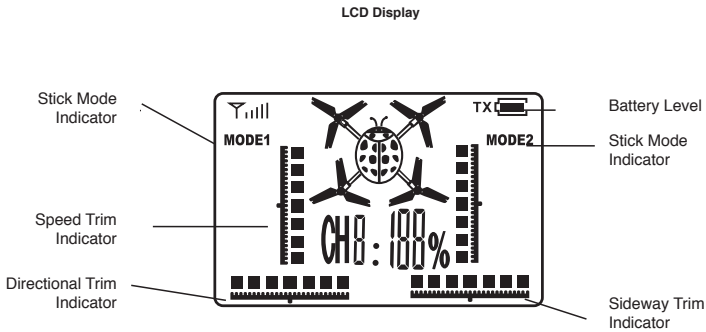
Turn off your remote controller. If it will not be used for a long duration of time, remove batteries to prevent power leakage and overall damage to your remote controller.



Remote Diagram



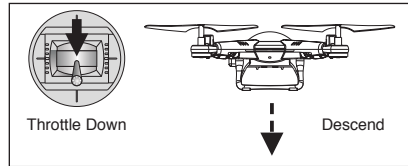
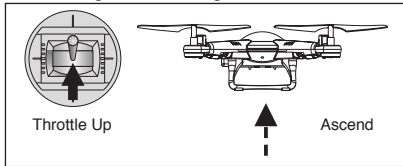
Bold = In Headless Mode



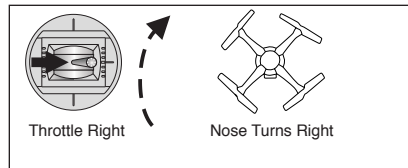
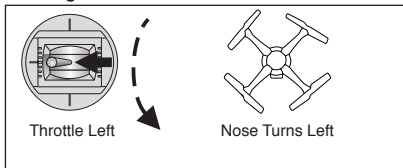
Flight Controls

If you are not familiar with the controls of your Quadrone, please take a few minutes to review them before take off.

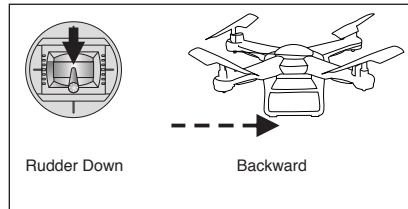
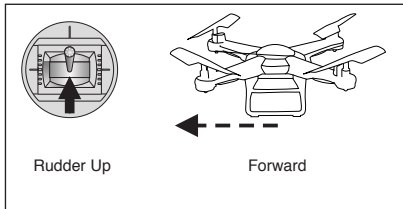
Ascending/Descending



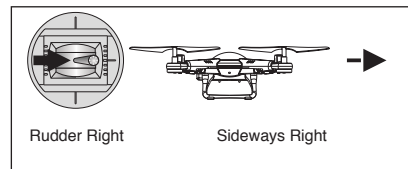
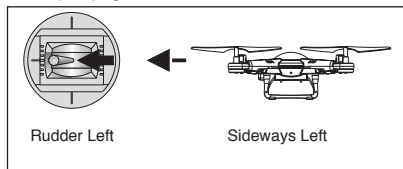
Turning



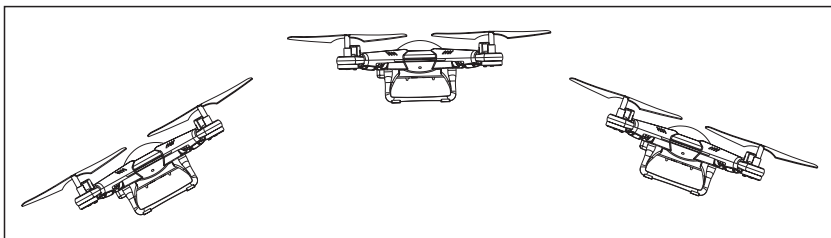
Forward/Backward



Sideways Flying



360° Flips



To enter Flip Mode, press the button on the upper right corner of the remote controller. The controller will begin to beep to indicate it has entered Flip Mode. Move the joystick in any direction and the quad will perform a corresponding flip.

One Key Return

Hold the One Key Return button for 2 seconds. The quadcopter will beep and the tail light will flash. The quadcopter will now return to the remote controller.

Headless Mode

Hold the Headless Mode button for 2 seconds and you will hear the controller begin to beep, indicating it has entered Headless Mode. No matter what direction the quadcopter faces, it will respond according to the direction pushed on the remote. (Forward on the remote will make the quadcopter fly forward.) This makes flying simpler and more convenient for beginner pilots. To exit Headless Mode, press the button again and you return to Normal Mode.

Headless Mode X-axis Y-axis Calibration

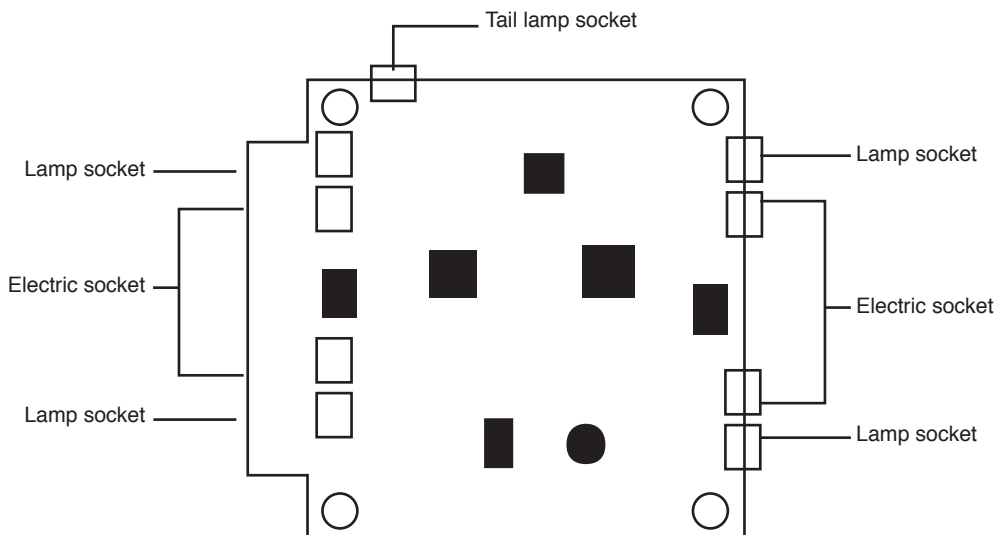
Often times after turning on the remote, the axes will need to be calibrated. To calibrate the X-axis, hold the X-axis calibration button for 3 seconds. The LED lights will flash until the quad is level. Calibration is complete. To calibrate the Y-axis, hold the Y-axis calibration button for 3 seconds. The LED lights will flash until the quad is level. Calibration is complete. Reboot your quad for calibration to take effect.

Troubleshooting

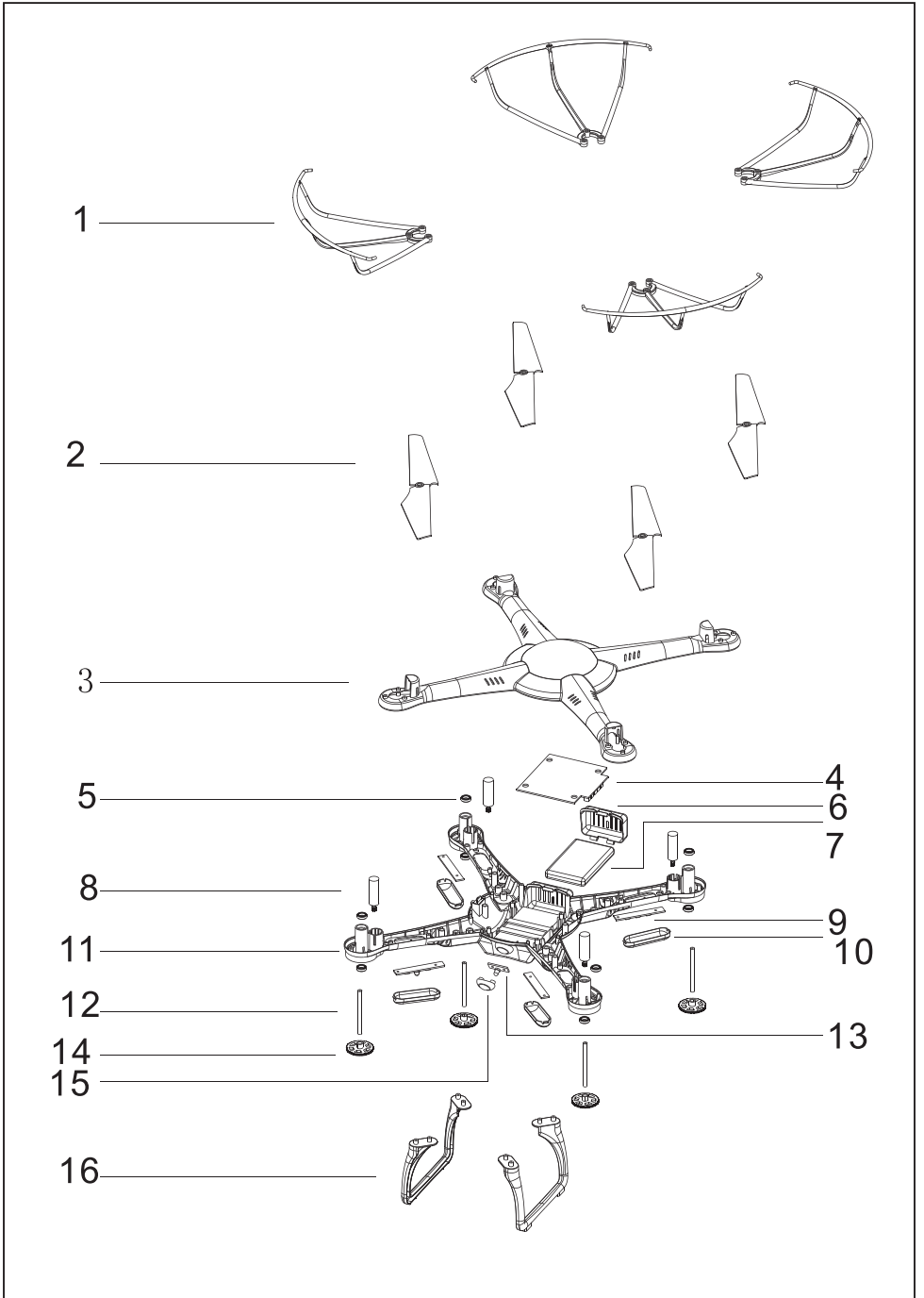
| Problem | Cause | Solution |
|--|---|--|
| Quadcopter LED blinks for more than 4 seconds after battery is inserted. No response to remote controller. | Unable to sync quadcopter and remote. | Repeat syncing process. (See p 7) |
| No response after battery is connected to quadcopter. | 1. No power to remote or drone. 2. Low battery power. 3. Poor contact on battery terminals. | 1. Turn on remote, properly insert drone battery 2. Charge battery 3. Re-seat batteries properly |
| Motor does not respond to remote, LED flashes. | Helicopter battery is drained. | Fully charge batteries. |
| Main rotor continues to spin after landing. | Throttle trim accidentally increased during flight. | Confirm throttle trim is in the center or slightly below. |
| Main rotor spins but unable to takeoff. | 1. Rotor deformation 2. Quadcopter battery is drained. | 1. Replace main blades. 2. Fully charge batteries. |
| Quadcopter strongly vibrates. | Rotor deformation | Replace the rotor. |
| Tail still off trim after adjustments, or inconsistent speed during sideways flying. | 1. Damaged tail rotors 2. Damaged tail drive motor | 1. Replace the rotor. 2. Replace the main motor. |

| | | |
|--|--|--|
| Quadcopter still wanders forward after trim adjustment during hover. | 1. Surface during power up was not flat. 2. Trim was too long or too short. | Quadcopter still wanders forward after trim adjustment during hover. |
| Cannot fly the quadcopter fully. | 1. Motor fell out. 2. Gear is loose. | Cannot fly the quadcopter fully. |
| The quadcopter dramatically deviates during headless mode. | 1. Quadcopter is partially released from headless mode. 2. Interference with headless mode. | Recalibrate headless mode on flat surface. |

Circuit Board



Circuit Board



Parts List

| No. | Part | Quantity |
|-----|-----------------------|----------|
| 1 | Protective Guard | 1 |
| 2 | Propeller | 2 |
| 3 | Upper Body | 3 |
| 4 | Receiver Board | 4 |
| 5 | Bearing | 5 |
| 6 | Battery Cover | 6 |
| 7 | Battery | 7 |
| 8 | Electric Machinery | 8 |
| 9 | Light | 9 |
| 10 | Lampshade | 10 |
| 11 | Lower Body | 11 |
| 12 | Carbon Fiber Spindle | 12 |
| 13 | Tail Light Plate | 13 |
| 14 | Cone | 14 |
| 15 | Tail Light Lamp Shade | 15 |
| 16 | Landing Feet | 16 |

Quadcopter Parameters

| | |
|-----------------------|-----------------|
| Length | 14.75" |
| Height | 2.25" |
| Propeller Length | 5.25mm |
| Battery Specification | 3.7 730 mAh 23C |
| Flight Time | 7-8 Minutes |